



# SEIKO ASTRON

WATCH CATALOGUE 2017-2018



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- 1881** K. Hattori, predecessor of today's Seiko Holdings Corporation, established.
- 1892** Seikosha clock supply factory established; production of wall clocks begins.  
Seikosha builds the first pocket watch.
- 1913** Production of Laurel, the first wristwatch made in Japan begins.
- 1953** SEIKO sponsors Japan's first TV commercial.
- 1959** SEIKO commercializes quartz clocks for broadcasting use.
- 1964** SEIKO develops the portable quartz chronometer and Seiko serves as Official Timer for the "Games of the XVIII Olympiad" held in Tokyo.
- 1968** SEIKO achieves the highest ever score in the Geneva competition and is awarded the "best mechanical wrist chronometer".

- 1969** Introduction of cal. 6139, the world's first automatic chronograph watch equipped with both vertical clutch and column wheel.  
Introduction of the world's first quartz watch, "SEIKO Quartz Astron" cal. 3500.
- 1982** Introduction of the world's first TV watch cal. T001.
- 1988** Introduction of the world's first "Auto Quartz" watch cal. 7M42. (later renamed as "Kinetic").
- 1992** Introduction of 1/100th analogue quartz chronograph watch cal. 7T59.
- 1999** Introduction of the world's first Spring Drive watch cal. 7R68 (hand winding).  
Introduction of the Ultimate Kinetic Chronograph cal. 9T82.
- 2005** Introduction of the Kinetic Perpetual cal. 7D48.  
Introduction of the Spring Drive cal. 5R series (automatic winding).





**2006** Introduction of the world's first watch with electrophoresis display module cal. G510.

Introduction of the Credor Spring Drive Sonnerie cal. 7R06.  
Suggested retail price: 15 million Japanese Yen.

**2007** Introduction of the Kinetic Direct Drive cal. 5D44.

Introduction of the Spring Drive Chronograph cal. 5R86 equipped with both vertical clutch and column wheel.

**2009** Introduction of the Chronograph Perpetual.

**2010** World's first EPD watch with an active matrix system.

**2011** SEIKO's 130th Anniversary

Served as Official Timer of the IAAF World Championships Daegu 2011.

**2012** SEIKO introduces the world's first Solar Powered GPS watch that supports all internationally recognised timezones.

**2013** 100 years of SEIKO Wrist watches marked by a collection of Special Edition models.

**2014** SEIKO introduces the world's first Solar GPS watch with a chronograph.

**2015** Astron GPS Solar Dual Time with AM & PM indicator is introduced.

SEIKO celebrates 50 years of diver's watches.

**2016** Astron GPS Solar World Time introduced.

**2017** Astron GPS Solar Dual Time Calendar introduced.

The SEIKO website is designed to provide customers, retailers and consumers with instant access to information about SEIKO. Log onto [www.seiko.com.au](http://www.seiko.com.au) and click the following links to find out all there is to know about the world's leading watch manufacturer.

**Products** – Learn more about the SEIKO Premium Collection or explore the entire SEIKO product range.

**Support** – Designed with retailers in mind, this section provides service information, instruction manuals you can download and 'frequently asked questions' to aid in trouble shooting, procedures for sending back repairs for prompt and efficient service.

**About Us** – Discover SEIKO's history from humble beginnings in 1881 and the rise that carried SEIKO to new heights and international renown. Learn about corporate structure, global networks and SEIKO's extensive involvement in sports timing.







**Corporate** – This section outlines specialised services that include the printing of company logos on the dial of a watch or clock, engraving and personalised messages, as well as customised packaging and more.

SEIKO will continue to grow and evolve and so too will [www.seiko.com.au](http://www.seiko.com.au), so keep checking for regular updates. Please send any comments you have to [info@seiko.com.au](mailto:info@seiko.com.au), all feedback is welcome.

**[www.seiko.com.au](http://www.seiko.com.au)**








BELOW ARE THE ABBREVIATIONS AND SYMBOLS YOU WILL FIND IN THIS CATALOGUE



- ADVERTISED MODEL** — Advertised model
-  — Solar
-  — New release model
-  — Stainless steel case
-  — Water resistance
-  — Titanium
-  — Ceramic

- SSE041J \$3900** — Reference number and price
- GPS SOLAR DUAL TIME — Watch type
- TCE.TIHICDCWR, (10BAR) — Case material (refer to Abbreviations page)
- SAPPHIRE GLASS — Glass type
- MOXE117H0 — Band reference
- 8X53 — Calibre Number

## WATER RESISTANCE USAGE

							
EVERYDAY LIFE (International Standard ISO 2281) Recommended Usage							
Splash Resistant	●	●	●	●	●	●	●
Rain Resistant	●	●	●	●	●	●	●
SWIMMING/WATERSPORTS (International Standard ISO 2281) Recommended Usage							
Water-related Work		●	●	●	●	●	●
Swimming		●	●	●	●	●	●
Watersports (Snorkelling, Surfing, etc)			●	●	●	●	●
DIVING (International Standard ISO 6425) Recommended Usage							
Scuba Diving						●	●
Saturation Diving							●



<b>18KYG</b>	18K yellow gold, 18KYG middle, and 18KYG back
<b>AHC</b>	All Hard Coat case and back
<b>ALSGP</b>	All Light SEIKO Gold Colour Plated case
<b>ASG</b>	All SEIKO Gold Plated case
<b>ATI</b>	All Titanium case
<b>ATIHICDC</b>	All TI case with super hard coating
<b>BTIHC.MBTIHC</b>	All high intensity titanium
<b>CE</b>	Ceramics
<b>FRP</b>	Fibre Reinforced Plastic
<b>GPDP</b>	Combined SGP and PDP middle with bezel and SS back
<b>GPHC</b>	Combined SGP and HC middle with bezel and SS back
<b>HC</b>	Hard Coating SS middle with bezel and SS back
<b>HC.SSHC</b>	HC bezel and middle with combined SS and HC back
<b>HGC</b>	Hard Gold Coating middle with bezel and SS back
<b>LSGP</b>	Light colour SGP
<b>MHC</b>	HC middle with SS bezel and back
<b>MSSGP</b>	SS bezel, combined SS and SGP middle and SS back
<b>MSSPCD</b>	SS bezel combined SS and plastic middle with SS back
<b>MSS.HC</b>	SS middle with HC bezel and back
<b>PDP</b>	Palladium plated middle with bezel and SS back
<b>SGP</b>	SEIKO Gold Colour Plate and Stainless Steel back
<b>SS</b>	Stainless Steel case
<b>SSGP</b>	Combined SS and SGP middle with bezel and SS back
<b>SSHC</b>	Combined SS and HC middle with bezel and SS back
<b>TCE.GP</b>	CE bezel, SGP middle, and SGP back
<b>TCE.HICDC</b>	Ceramic bezel, super hard coating SS middle and back
<b>TCE.HICDCG</b>	Ceramic bezel, super hard coating middle, SGP, SS back
<b>TCE.HICDN</b>	Ceramic bezel, SS with super black hard coating, SS back
<b>TCE.MTIHICDC</b>	CE bezel, TI with super hard coating middle, and TI with super hard coating back
<b>TCE.TIHC</b>	CE bezel, TIHC middle and TIHC back
<b>TCE.TIHICDC</b>	Ceramic bezel, TI with super hard coating middle and back
<b>TCE.TIHICDN</b>	Ceramic bezel, TI with super black hard coating middle and back
<b>TGPCE.MGP</b>	Combined SGP and Ceramic bezel, SGP middle and SS back
<b>TGPDP</b>	Combined SGP and PDP bezel, SS middle and SS back
<b>TGP.MGPHC</b>	SGP bezel, SGP and HC middle and SS back
<b>TGP.MSSGP</b>	SGP bezel, combined SS and SGP middle and SS back
<b>TGP.TIHCCE</b>	SGP bezel, combined TI, HC, and CE middle (No case back as it's a one piece case model)
<b>TGPTI.TI</b>	Combined TI and SGP bezel, TI middle and TI back
<b>THC</b>	HC bezel, SS middle and SS back
<b>THC.BTI</b>	HC bezel, BTI (Bright Titanium) middle and BTI back
<b>THC.MHPCDP</b>	HC bezel, combined HC and plastic middle with SS back
<b>THC.MSSCE</b>	HC bezel, combined SS and CE middle, and SS back
<b>THC.TIHCCE</b>	CE Outer Case, TI HC Inner Case
<b>THGMCETIHG</b>	HGC bezel, combined Ceramics, TI and HGC middle and combined Ceramics, TI and HGC back
<b>TI</b>	Titanium
<b>TPDP</b>	PDP bezel, SS middle and SS back
<b>TSGP</b>	Combined SS and SGP case and SS back
<b>TSSCE</b>	Combined SS and Ceramic bezel , SS middle and SS back
<b>TSSGP</b>	Combined SS and SGP bezel, SS middle and SS back
<b>TSSGP.GP</b>	SSGP bezel, SGP middle, and SGP back
<b>TSSHC</b>	Combined SS and HC bezel, SS middle and SS back
<b>TSSHC.HICDC</b>	SSHC bezel, SS with super hard coating, and SS with super hard coating back
<b>TTIHC.MTIHICDC.TI</b>	Ti & HC bezel, Ti & HC middle, Ti Back
<b>TTIHC.TI</b>	Combined TI and HC bezel, TI middle and TI back
<b>WR</b>	Water Resistant
<b>XL</b>	Lumibrite hands and hour markers

## ACCURATE TIME, HARNESSING THE POWER OF GPS

Once a day when fully charged, Seiko Astron receives the time signal automatically and, on demand, connects to four or more of the GPS satellites that orbit the earth\*1, thus pinpointing its position and identifying the time zone and the exact time\*2\*3. The hands adjust automatically to the correct local time with atomic clock precision.

## NO BATTERY CHANGE NEEDED. EVER

Astron is entirely self-sustaining and takes all the power it needs just from light. There is no need, ever, to change a battery.



## PERPETUAL CALENDAR CORRECT UP TO FEBRUARY 2100

Astron has a perpetual calendar that is accurate up to February 2100, irrespective of leap years.

## IN-FLIGHT MODE(✈)

In order to avoid any interference with the operation of electronic devices in an airplane, in-flight mode is available when boarding a plane. In the in-flight mode, the GPS signal reception function will not work.

## DAYLIGHT SAVING TIME (DST) FUNCTION

In areas where Daylight Saving Time (DST) applies, the time can be adjusted manually.

## MULTI-INDICATOR

The multi-indicator has four functions:

- GPS signal reception display
- Power reserve indication
- In-flight mode(✈) on/off indication
- DST (Daylight Saving Time) on/off indication



## THE WORLD'S FIRST GPS SOLAR WATCH

Thanks to the creation of an ultra-low consumption GPS module, Seiko has been able to create a watch that can receive GPS signals and identify time zone, time and date using the global network of GPS satellites. This breakthrough timepiece inherits the name of the Astron. Like its celebrated 1969 predecessor which was the world's first quartz watch, the new Astron ushers in a new age of timekeeping technology.



## THE SECRET IS IN ENERGY MANAGEMENT

Only Seiko's advanced energy-efficiency technology could invent the miniature GPS receiver that requires so little energy to receive GPS signals from four or more satellites. And only Seiko's advanced IC circuitry expertise could make it possible for watch to see the world as divided into one million 'squares' and allocate a time zone to each.

## SEIKO'S HISTORY OF ENERGY MANAGEMENT

1969: The first Astron was the world's first quartz watch. It was made possible by a low-drain stepping motor.

1977: Seiko made its first ever solar watch, using just the power of light.

1988: Seiko Kinetic was the first watch to convert mechanical energy into electrical with a rotor that spins at up to 100,000 rpm.

1999: A mechanical watch with a new type of escapement, Spring Drive is a technology unique to Seiko. It uses so little electrical power that, if everyone on earth wore Spring Drive, the total energy used would power just one light bulb.

2012: The new Astron: The world's first GPS solar watch, which is so energy efficient that it can connect to the GPS network using just the power of light.

\*1 The watch has to be under an open sky with good visibility, where the GPS signals can easily be received.

\*2 Cal.7X52: Time zone data as of January 2012. Cal.8X82: Time zone data as of January 2014. Changes to time zones occurring after these dates are not programmed and manual adjustment may be required.

\*3 If the time zone is adjusted near a time zone boundary, the time of the adjacent time zone may be displayed. To adjust the time zone, use the manual time zone(city) selection mode.

GPS SOLAR DUAL TIME CALENDAR

24



Case Size  
44.8mm

**SSE145J \$4100**   
GPS SOLAR DUAL TIME CALENDAR, TCE.TIHCDCWR, (10BAR),  
XL, SAPPHIRE GLASS, **5TH ANNIVERSARY LIMITED EDITION**,  
**1,500 PIECES WORLDWIDE**, SPECIAL BOX, 5 SAPPHIRES,  
MOXF111H0, 8X42

24



Case Size  
45.5mm

**SSE143J \$3100**   
GPS SOLAR DUAL TIME CALENDAR, TCE.HICDNWR, (10BAR),  
XL, SAPPHIRE GLASS, **NOVAK DJOKIIVIC LIMITED EDITION**,  
**5,000 PIECES WORLDWIDE**, SPECIAL BOXING,  
R01Z011M0, 8X42

## GPS SOLAR DUAL TIME CALENDAR

24



Case Size  
44.8mm

**SSE139J \$3500**   
GPS SOLAR DUAL TIME CALENDAR, TCE.TIHICDCWR, (10BAR),  
SAPPHIRE GLASS, M114111H0, 8X42

**ADVERTISED MODEL**

24



Case Size  
45.8mm

**SSE149J \$2600**   
GPS SOLAR DUAL TIME CALENDAR, TCE.HICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, M115111H0, 8X42

24



Case Size  
45.5mm





**SSE153J \$2800**   
GPS SOLAR DUAL TIME CALENDAR, TCEHICD6WR, (10BAR), XL,  
SAPPHIRE GLASS, R01Z011P0, 8X42

GPS SOLAR CHRONOGRAPH

24



Case Size  
45.5mm

**SSE121J \$5200**      
GPS SOLAR CHRONOGRAPH, TCE.TIHICDNWR, (10BAR), XL,  
SAPPHIRE GLASS, GIUGIARO DESIGN LIMITED EDITION,  
3,000 PIECES WORLDWIDE, SPECIAL BOXING,  
M109111V0, 8X82



# GPS SOLAR DUAL TIME



Case Size  
45mm

24



**SSE041J \$3900**

GPS SOLAR DUAL TIME, TCE.TIHICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
MOXE117H0, 8X53



Case Size  
45mm

24



**SSE043J \$3900**

GPS SOLAR DUAL TIME, TCE.TIHICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
MOXE118H0, 8X53



Case Size  
45mm

24



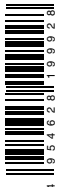
**SSE075J \$3600**

GPS SOLAR DUAL TIME, TCE.TIHICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
MOXF111M0, 8X53



Case Size  
45mm

24



**SSE073J \$3600**

GPS SOLAR DUAL TIME, TCE.TIHICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
MOXF111H0, 8X53



Case Size  
45mm

24



**SSE101J \$3300**

GPS SOLAR DUAL TIME, TCE.TIHICDCW, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
MOXF111H0, 8X53



Case Size  
45mm

24



**SSE055J \$2800**





GPS SOLAR DUAL TIME, TCE.GPWR, (10BAR), XL,  
SAPPHIRE GLASS, CABOCHON CROWN,  
R01Z011P0, 8X53

GPS SOLAR WORLD TIME

24



Case Size  
44.8mm

**SSE117J \$3100**      
GPS SOLAR WORLD TIME, TCE.TIHCDCWR, (10BAR), XL,  
SAPPHIRE GLASS, **5TH ANNIVERSARY LIMITED EDITION,**  
**2,000 PIECES WORLDWIDE, SPECIAL BOXING,**  
MOXF111H0, 8X22

# GPS SOLAR WORLD TIME



Case Size  
44.8mm

24



**SSE113J \$3000**   

GPS SOLAR WORLD TIME, TCE.TIHICDNWR, (10BAR), XL,  
SAPPHIRE GLASS, MOYX113W0, 8X22



Case Size  
44.8mm

24



**SSE089J \$3000**   

GPS SOLAR WORLD TIME, TCE.TIHICDNWR, (10BAR), XL,  
SAPPHIRE GLASS, MOYX113W0, 8X22



Case Size  
44.8mm

24



**SSE087J \$2700**   

GPS SOLAR WORLD TIME, TCE.TIHICDCWR, (10BAR), XL,  
SAPPHIRE GLASS, MOYX113H0, 8X22



Case Size  
44.8mm

24



**SSE096J \$2700**   

GPS SOLAR WORLD TIME, TCE.TIGPWWR, (10BAR), XL,  
SAPPHIRE GLASS, LOCK013P9, 8X22

## PRODUCT INFORMATION MATRIX

Model Number	Calibre Type	Calibre Function	Power Reserve/Battery Life	Battery Type	Calibre Number	Display	Water Resistance	Band Reference	Glass Type	Crown	Rotating Bezel	Hand Indicators	Calendar Indicators	Lumibrite	Stone Set Type	Stone Set Qty	Alarm
SSE041J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	MOXE117H0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds, AM/PM	Date, Day Of The Week	Hands & Markers			
SSE043J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	MOXE118H0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds, AM/PM	Date, Day Of The Week	Hands & Markers			
SSE055J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	R01Z011P0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds, AM/PM	Date, Day Of The Week	Hands & Markers			
SSE073J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	MOXF111H0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE075J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	MOXF111M0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE087J	Solar - Powered By Any Light Source	GPS 3 Hands	2 Years Power Reserve	N/A	8X22	Analogue	100 Metres	MOYX113H0	SAPPHIRE	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE089J	Solar - Powered By Any Light Source	GPS 3 Hands	2 Years Power Reserve	N/A	8X22	Analogue	100 Metres	MOYX113W0	SAPPHIRE	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE096J	Solar - Powered By Any Light Source	GPS 3 Hands	2 Years Power Reserve	N/A	8X22	Analogue	100 Metres	LOCK013P9	SAPPHIRE	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE101J	Solar - Powered By Any Light Source	GPS Dual Time	2 Year Power Reserve	N/A	8X53	Analogue	100 Metres	MOXF111H0	SAPPHIRE	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE113J	Solar - Powered By Any Light Source	GPS Solar - 3 Hands	2 Years Power Reserve	N/A	8X22	Analogue	100 Metres	MOYX113W0	Sapphire	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE117J	Solar - Powered By Any Light Source	GPS Solar - 3 Hands	2 Years Power Reserve	N/A	8X22	Analogue	100 Metres	MOXF111H0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers	Sapphires	5	
SSE121J	Solar - Powered By Any Light Source	GPS Chronograph	2 Year Power Reserve	N/A	8X82	Analogue	100 Metres	M109111W0	Sapphire	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE139J	Solar - Powered By Any Light Source	GPS Dual Time Calendar	2 Year Power Reserve	N/A	8X42	Analogue	100 Metres	M114111H0	Sapphire	Pull Out		Hour, Minute, Seconds	Date				
SSE143J	Solar - Powered By Any Light Source	GPS Dual Time Calendar	2 Year Power Reserve	N/A	8X42	Analogue	100 Metres	R01Z011M0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE145J	Solar - Powered By Any Light Source	GPS Dual Time Calendar	2 Year Power Reserve	N/A	8X42	Analogue	100 Metres	MOXF111H0	Sapphire	Cabochon - Pull Out		Hour, Minute, Seconds	Date	Hands & Markers	Sapphires	5	
SSE149J	Solar - Powered By Any Light Source	GPS Dual Time Calendar	2 Year Power Reserve	N/A	8X42	Analogue	100 Metres	M115111H0	Sapphire	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			
SSE153J	Solar - Powered By Any Light Source	GPS Dual Time Calendar	2 Year Power Reserve	N/A	8X42	Analogue	100 Metres	R01Z011P0	Sapphire	Pull Out		Hour, Minute, Seconds	Date	Hands & Markers			

## PRODUCT INFORMATION MATRIX

Model Number	Stopwatch	Dual Time Capability	Timer	Perpetual Calendar	Compass	Tachymetre	Telemeter	Slide Rule	World Time	Hand Winding Capability	Power Reserve Indicator	Exhibition Case Back
SSE041J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE043J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE055J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE073J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE075J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE087J				Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE089J				Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE096J				Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE101J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE113J				Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE117J				Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE121J	Stopwatch Measures 6 Hours in 1/5th of a second increments with split time			Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100		Yes			Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE139J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE143J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE145J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE149J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	
SSE153J		Bottom Dial Can Be Adjusted To Second Time Zone, Main Hands Can Be Manually Adjusted To Different Time Zones		Calendar Automatically Adjusts For Short Months and Leap Years Until February, 2100					Astron GPS Solar pinpoints your location and identifies your exact timezone by receiving GPS signals from 4 or more GPS satellites. Manual Time Adjustment is available.		Yes	

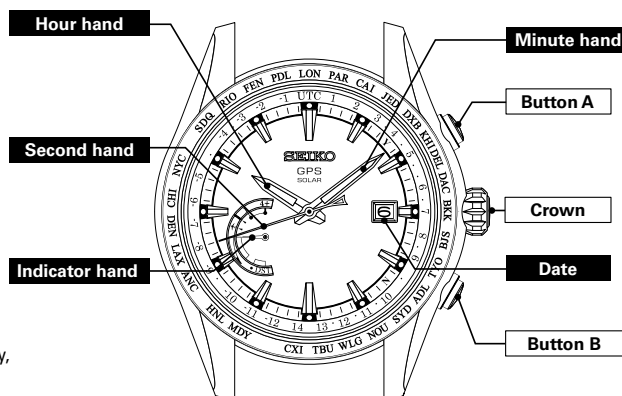


# OPERATING INSTRUCTIONS

## SOLAR GPS WORLD TIME (8X22)

- Solar – Powered by any light source.
- GPS Connectivity – Connect to satellites to pinpoint your position and adjust timezone accordingly\*
- Flight Mode – turn on and off during flights.
- Perpetual Calendar – Adjusts the date and day of the week automatically until February 2100 including leap years and short months
- World Time
- Dual
- Power Save Mode – GPS Solar sleeps when not in sufficient light to conserve energy, and when exposed to light will wake up and relay to the current time.

\* Time zone data as of March 2015. Changes to time zones occurring after this date are not programmed and manual adjustment may be required.



\* Display of city name may vary depending on the model.

### HOW TO ADJUST TIME USING GPS SIGNALS

- 1) Ensure you are outdoor under an open sky with good visibility. Away from trees, buildings bridges etc. Ensure GPS Solar is out of flight mode – follow the steps detailed later in this guide.
- 2) Press and hold BUTTON A. The second hand will move to the 60 second mark and stop briefly. It will then move to the 30 second mark. Once the second hand moves to the 30 second mark release BUTTON A.
- 3) The second hand will then move around the dial pointing at the number markers indicating how many satellites it is connected to. If it is pointing at the 3 marker, it is connected to three satellites etc. A minimum of 4 satellites is required for a successful timezone adjustment. The GPS Signal and Time change can take up to 2 minutes.
- 4) After GPS Solar connects to satellites the second hand will move to Y (8 second mark) for a successful connection, or N (22 second mark) for an unsuccessful connection. The Y & N are indicated on the inner dial ring.
- 5) The main hands on GPS Solar will move to the correct time based on your position.

### MANUAL TIME ZONE ADJUSTMENT & WORLD TIME FUNCTION

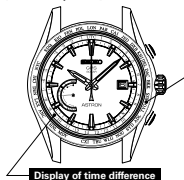
In places where the GPS timezone change is not possible GPS Solar can be set manually without the need to connect to a satellite. This function can also be used as a World Timer.

- 1) Pull the crown out to the first click. The second hand will move and point to the current timezone set detailed on the bezel, or inner dial ring (model dependant).
- 2) Turn the crown forward or backward and the second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
- 3) Once you have selected your desired timezone push the crown back in flush to the case.

Use the below table to discover world timezones.

#### Display of time zone

Representative city names ...  
28 cities among the total of 40  
time zones around the world  
Time difference ...  
+14 hours – -12 hours  
(Check the time zone)  
(Time Zone Adjustment)



\* The displays of city code and the time difference from UTC are subject to change depending on model.  
\* " " between figures of the display of time difference shows that there is a time zone in that place.

City code	Display of time difference	City name	UTC ± hours
LON	UTC	★ London	0
PAR	1	★ Paris/★ Berlin	+1
CAI	2	★ Cairo	+2
JED	3	Jeddah	+3
—	•	★ Tehran	+3.5
DXB	4	Dubai	+4
—	•	Kabul	+4.5
KHI	5	Karachi	+5
DEL	•	Delhi	+5.5
—	•	Kathmandu	+5.75
DAC	6	Dhaka	+6
—	•	Yingon	+6.5
BKK	7	Bangkok	+7

City code	Display of time difference	City name	UTC ± hours
BJS	8	Beijing	+8
—	•	Eucla	+8.75
TYO	9	Tokyo	+9
ADL	•	★ Adelaide	+9.5
SYD	10	★ Sydney	+10
—	•	★ Lord Howe Island	+10.5
NOU	11	Nouméa	+11
—	•	Norfolk Island	+11.5
WLG	12	★ Wellington	+12
—	•	★ Chatham Islands	+12.75
TBU	13	Nuku'alofa	+13
CKI	14	Kiritimati	+14
—	-12	Baker Island	-12
MDY	-11	Midway islands	-11

City code	Display of time difference	City name	UTC ± hours
HNL	-10	Honolulu	-10
—	•	Marquesas Islands	-9.5
ANC	-9	★ Anchorage	-9
LAX	-8	★ Los Angeles	-8
DEN	-7	★ Denver	-7
CHI	-6	★ Chicago	-6
NYC	-5	★ New York	-5
—	•	Caracas	-4.5
SDQ	-4	Santo Domingo	-4
—	•	★ St. John's	-3.5
RIO	-3	★ Rio de Janeiro	-3
FEN	-2	Fernando de Noronha	-2
PDL	-1	★ Azores	-1

### HOW TO USE THE DAYLIGHT SAVING FUNCTION

Some areas have daylight savings where the time is set forward to gain an extra hour of sunlight. GPS Solar has an easy daylight saving function that turns daylight saving on or off.

- 1) Pull the crown out to the first click. The left indicator dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
- 2) Press and hold BUTTON A for approx. 3 seconds to turn it either on or off.
- 3) The hands will move forward (on), or backward (off) one hour.
- 4) Push crown back in flush against the case.

### FLIGHT MODE

GPS reception may influence the aeroplanes electronic equipment so GPS Astron has a flight mode you can activate when travelling on an aeroplane.

### TURN FLIGHT MODE ON OR OFF

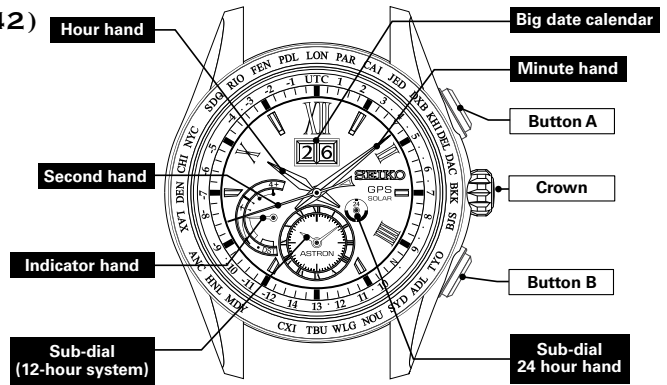
- 1) Press and hold BUTTON B for approx. 3 seconds.
- 2) The indicator hand in the left dial will move to the image of the plane located on the left side of the outer ring.
- 3) To turn flight mode off, press and hold BUTTON B for approx. 3 seconds. The hand will move back to the power reserve indicator.



## SOLAR GPS DUAL TIME CALENDAR (8X42)

- Solar – Powered by any light source.
- GPS Connectivity – Connect to satellites to pinpoint your position and adjust timezone accordingly\*
- Flight Mode – turn on and off during flights.
- Perpetual Calendar – Adjusts the date and day of the week automatically until February 2100 including leap years and short months
- World Time
- Dual Time function
- Power Save Mode – GPS Solar sleeps when not in sufficient light to conserve energy, and when exposed to light will wake up and relay to the current time.

\* Time zone data as of January 2014. Changes to time zones occurring after this date are not programed and manual adjustment may be required.



\* Position of each display may differ depending on the model (design).

### HOW TO ADJUST TIME USING GPS SIGNALS

- 1) Ensure you are outdoor under an open sky with good visibility. Away from trees, buildings bridges etc. Ensure GPS Solar is out of flight mode – follow the steps detailed later in this guide.
- 2) Press and hold BUTTON A. The second hand will move to the 60 second mark and stop briefly. It will then move to the 30 second mark. Once the small second hand moves to the 30 second mark release BUTTON A.
- 3) The second hand will then move around the dial pointing at the number markers indicating how many satellites it is connected to. If it is pointing at the 3 marker, it is connected to three satellites etc. A minimum of 4 satellites is required for a successful timezone adjustment. The GPS Signal and Time change can take up to 2 minutes.
- 4) After GPS Solar connects to satellites the second hand will move to Y (8 second mark) for a successful connection, or N (22 second mark) for an unsuccessful connection. The Y & N are indicated on the inner dial ring.
- 5) The main hands on GPS Solar will move to the correct time based on your position.

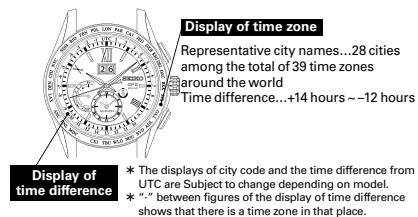
### MANUAL TIME ZONE ADJUSTMENT & WORLD TIME FUNCTION

In places where the GPS timezone change is not possible GPS Solar can be set manually without the need to connect to a satellite. This function can also be used as a World Timer.

- 1) Pull the crown out to the first click. The second hand will move and point to the current timezone set detailed on the bezel, or inner dial ring (model dependant).
- 2) Turn the crown forward or backward and the second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
- 3) Once you have selected your desired timezone push the crown back in flush to the case.

Use the below table to discover world timezones.

City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours
LON	UTC	London	0	BJS	8	Beijing	+8	MDY	-11	Midway Islands	-11	HNL	-10	Honolulu	-10
PAR	1	Paris/Berlin	+1	—	•	Pyongyang	+8.5	—	•	Marquesas Islands	-9.5	ANC	-9	Anchorage	-9
CAI	2	Cairo	+2	—	•	Eucia	+8.75	—	•	Los Angeles	-8	LAX	-8	Los Angeles	-8
JED	3	Jeddah	+3	TYO	9	Tokyo	+9	—	•	Denver	-7	DEN	-7	Denver	-7
—	•	Tehran	+3.5	ADL	•	Adelaide	+9.5	—	•	Chicago	-6	CHI	-6	Chicago	-6
DXB	4	Dubai	+4	SYD	10	Sydney	+10	—	•	New York	-5	NYC	-5	New York	-5
—	•	Kabul	+4.5	—	•	★ Lord Howe Island	+10.5	—	•	Santo Domingo	-4	SDQ	-4	Santo Domingo	-4
KHI	5	Karachi	+5	NOU	11	Nouméa	+11	—	•	St. John's	-3.5	—	•	St. John's	-3.5
DEL	•	Delhi	+5.5	WLG	12	Wellington	+12	—	•	Rio de Janeiro	-3	RIO	-3	Rio de Janeiro	-3
—	•	Kathmandu	+5.75	—	•	Chatham Islands	+12.75	—	•	Fernando de Noronha	-2	FEN	-2	Fernando de Noronha	-2
DAC	6	Dhaka	+6	TBU	13	Nuku'alofa	+13	—	•	Azores	-1	PDL	-1	Azores	-1
—	•	Yangon	+6.5	CKI	14	Kiritimati	+14	—	•						
BKK	7	Bangkok	+7	—	-12	Baker Island	-12								



### HOW TO USE THE DAYLIGHT SAVING FUNCTION

Some areas have daylight savings where the time is set forward to gain an extra hour of sunlight. GPS Solar has an easy daylight saving function that turns daylight saving on or off.

- 1) Pull the crown out to the first click. The left indicator dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
- 2) Press and hold BUTTON A for approx. 3 seconds to turn it either on or off.
- 3) The hands will move forward (on), or backward (off) one hour.
- 4) Push crown back in flush against the case.

### FLIGHT MODE

GPS reception may influence the aeroplanes electronic equipment so GPS Solar has a flight mode you can activate when travelling on an aeroplane.

### TURN FLIGHT MODE ON OR OFF

- 1) Press and hold BUTTON B for approx. 5 seconds.
- 2) The indicator hand in the left dial will move to the image of the plane located on the left side of the outer ring.
- 3) To turn flight mode off, press and hold BUTTON B for approx. 5 seconds. The hand will move back to the power reserve indicator.

### CHANGING THE TIME IN THE DUAL TIME SUB DIAL

- 1) Pull the crown out to the first click.
- 2) Press BUTTON B. The day of the week hand will move around and point at the Δ symbol above the AM/PM indicator.
- 3) Turn the crown forward or backward and the second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
- 4) The hands in the small dual time sub dial will move to the timezone selected.

NOTE – The subdial cannot be adjusted to a time outside the timezone.

- 5) Push the crown back in flush against the case.

### ADJUST DAYLIGHT SAVING TO THE DUAL TIME SUB DIAL

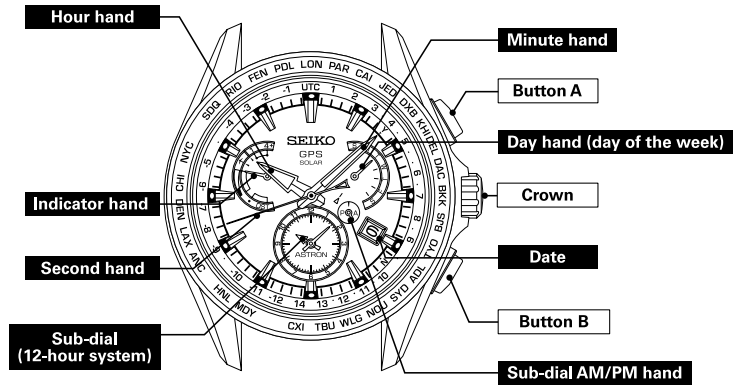
- 1) Pull the crown out to the first click
- 2) Press BUTTON B. The left indicator dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
- 3) Press BUTTON A for approx. 3 seconds to turn it on or off. This must be done within 5 seconds of pulling the crown out.
- 4) Push the crown back in flush against the case.

# OPERATING INSTRUCTIONS

## SOLAR GPS DUAL TIME (8X53)

- Solar – Powered by any light source.
- GPS Connectivity – Connect to satellites to pinpoint your position and adjust timezone accordingly\*
- Flight Mode – turn on and off during flights.
- Perpetual Calendar – Adjusts the date and day of the week automatically until February 2100 including leap years and short months
- World Time
- Dual Time function
- Power Save Mode – Astron sleeps when not in sufficient light to conserve energy, and when exposed to light will wake up and relay to the current time.

\* Time zone data as of January 2014. Changes to time zones occurring after this date are not programmed and manual adjustment may be required.



\* Display of city name may vary depending on the model.

### HOW TO ADJUST TIME USING GPS SIGNALS

1. Ensure you are outdoor under an open sky with good visibility. Away from trees, buildings bridges etc. Ensure Astron is out of flight mode – follow the steps detailed later in this guide.
2. Press and hold BUTTON A . The second hand will move to the 60 second mark and stop briefly. It will then move to the 30 second mark. Once the small second hand moves to the 30 second mark release BUTTON A.
3. The second hand will then move around the dial pointing at the number markers indicating how many satellites it is connected to. If it is pointing at the 3 marker, it is connected to three satellites etc. A minimum of 4 satellites is required for a successful timezone adjustment. The GPS Signal and Time change can take up to 2 minutes.
4. After Astron connects to satellites the second hand will move to Y (8 second mark) for a successful connection, or N (22 second mark) for an unsuccessful connection. The Y & N are indicated on the inner dial ring.
5. The main hands on Astron will move to the correct time based on your position.

### MANUAL TIME ADJUSTMENT & WORLD TIME FUNCTION

In places where the GPS timezone change is not possible Astron can be set manually without the need to connect to a satellite. This function can also be used as a World Timer.

1. Pull the crown out to the first click. The second hand will move and point to the current timezone set detailed on the bezel, or inner dial ring (model dependant).
2. Turn the crown forward or backward and the second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
3. Once you have selected your desired timezone push the crown back in flush to the case.

Use the below table to discover world timezones.

The following list shows the relationship between displays of the bezel and dial ring and time difference from the UTC. Please refer to the second hand positions below to set the time zone or to check the time zone setting.

DST (Daylight Saving Time) is used in time zones with a ★ mark. In the Lord Howe Island time zone in Australia with a ☆ mark, the time is advanced by 30 minutes while DST (Daylight Saving Time) is in effect. This watch corresponds to DST in the Lord Howe Island time zone.

\* Each time zone is based on data as of March 2015.

**Display of time zone**  
Representative city names...  
28 cities among the total of 40  
time zones around the world  
Time difference...  
+14 hours ~ -12 hours  
[Check the time zone] - P 21  
[Time Zone Adjustment] - P 17



\* The displays of city code and the time difference from UTC are Subject to change depending on model.  
\* "☆" between figures of the display of time difference shows that there is a time zone in that place.

City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours
LON	UTC	★ London	0	BJS	8	Beijing	+8	HNL	-10	Honolulu	-10
PAR	1	★ Paris/★ Berlin	+1	—	★	Eucia	+8.75	—	★	Marquesas Islands	-9.5
CAI	2	★ Cairo	+2	TYO	9	Tokyo	+9	ANC	-9	★ Anchorage	-9
JED	3	Jeddah	+3	ADL	★	★ Adelaide	+9.5	LAX	-8	★ Los Angeles	-8
—	★	★ Tehran	+3.5	SYD	10	★ Sydney	+10	DEN	-7	★ Denver	-7
DXB	4	Dubai	+4	—	★	★ Lord Howe Island	+10.5	CHI	-6	★ Chicago	-6
—	★	Kabul	+4.5	NOL	11	Noumea	+11	NYC	-5	★ New York	-5
KHI	5	Karachi	+5	—	★	Norfolk Island	+11.5	—	★	Caracas	-4.5
DEL	★	Delhi	+5.5	WLG	12	★ Wellington	+12	SDG	-4	Santo Domingo	-4
—	★	Kathmandu	+5.75	—	★	★ Chatham Islands	+12.75	—	★	St. John's	-3.5
DAC	6	Dhaka	+6	TBU	13	Nuku'alofa	+13	RIO	-3	★ Rio de Janeiro	-3
—	★	Yangon	+6.5	CXI	14	Kiritimati	+14	FEN	-2	Fernando de Noronha	-2
BKK	7	Bangkok	+7	—	-12	Baker Island	-12	PDL	-1	★ Azores	-1
—	—	—	—	MOV	-11	Midway Islands	-11	—	—	—	—

### HOW TO USE THE DAYLIGHT SAVING FUNCTION

Some areas have daylight savings where the time is set forward to gain an extra hour of sunlight. Astron has an easy daylight saving function that turns daylight saving on or off.

1. Pull the crown out to the first click. The left indicator dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
2. Press and hold BUTTON A for approx. 3 seconds to turn it either on or off.
3. The hands will move forward (on), or backward (off) one hour.
4. Push crown back in flush against the case.

### FLIGHT MODE

GPS reception may influence the aeroplanes electronic equipment so GPS Astron has a flight mode you can activate when travelling on an aeroplane.

### TURN FLIGHT MODE ON OR OFF

1. Press and hold BUTTON B for approx. 5 seconds.
- 2) The indicator hand in the left dial will move to the image of the plane located on the left side of the outer ring.
- 3) To turn flight mode off, press and hold BUTTON B for approx. 5 seconds. The hand will move back to the power reserve indicator.

### CHANGING THE TIME IN THE DUAL TIME SUB DIAL

1. Pull the crown out to the first click.
  2. Press BUTTON B. The day of the week hand will move around and point at the symbol above the AM/PM indicator.
  3. Turn the crown forward or backward and the second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
  4. The hands in the small dual time sub dial will move to the timezone selected.
- NOTE – The subdial cannot be adjusted to a time outside the timezone.
5. Push the crown back in flush against the case.

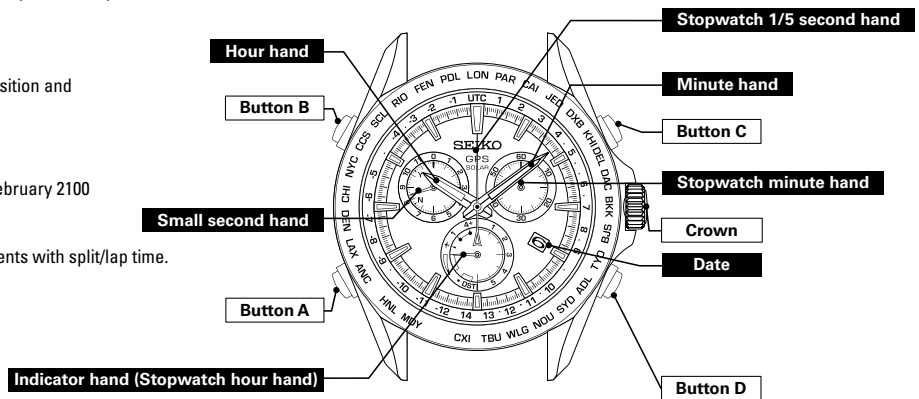
### ADJUST DAYLIGHT SAVING TO THE DUAL TIME SUB DIAL

1. Pull the crown out to the first click
2. Press BUTTON B. The left indicator dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
3. Press BUTTON A for approx. 3 seconds to turn it on or off. This must be done within 5 seconds of pulling the crown out.
4. Push the crown back in flush against the case.

## SOLAR GPS CHRONOGRAPH (8X82)

- Solar – Powered by any light source.
- GPS Connectivity – Connect to satellites to pinpoint your position and adjust timezone accordingly\*
- Flight Mode – turn on and off during flights.
- Perpetual Calendar – Adjusts the date automatically until February 2100 including leap years and short months
- Stopwatch – Measures 6 hours in 1/5th of a second increments with split/lap time.
- World Time
- Power Save Mode – Astron sleeps when not in sufficient light to conserve energy, and when exposed to light will wake up and relay to the current time.

\* Time zone data as of January 2014. Changes to time zones occurring after this date are not programmed and manual adjustment may be required.



### HOW TO ADJUST TIME USING GPS SIGNALS

1. Ensure you are outdoor under an open sky with good visibility. Away from trees, buildings bridges etc. Ensure Astron is out of flight mode – follow the steps detailed later in this guide.
2. Press and hold BUTTON B . The small second hand will move to the 60 second mark and stop briefly. It will then move to the 30 second mark. Once the small second hand moves to the 30 second mark release BUTTON B.
3. The small second hand will then move around the dial pointing at the number detailed on the outer ring of this indicating how many satellites it is connected to. A minimum of 4 satellites is required for a successful timezone adjustment. The GPS Signal and Time change can take up to 2 minutes.
4. After Astron connects to satellites the small second hand will move to Y for a successful connection, or N for an unsuccessful connection. The Y & N are indicated inside the small second hand dial.
5. The main hands on Astron will move to the correct time based on your position.

### MANUAL TIME ADJUSTMENT & WORLD TIME FUNCTION

In places where the GPS timezone change is not possible Astron can be set manually without the need to connect to a satellite. This function can also be used as a World Timer.

1. Pull the crown out to the first click. The 1/5th of a second hand will move and point to the current timezone set.
2. Turn the crown forward or backward and the 1/5th of a second hand will point to the next timezone detailed on the inner ring, or city detailed on the bezel (model dependant) and instantly move the hands to that timezone.
3. Once you have selected your desired timezone push the crown back in flush to the case.

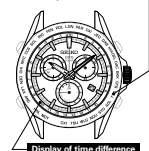
Use the below table to discover world timezones.

The following list shows the relationship between displays of the bezel and dial ring and time difference from the UTC. Please refer to the second hand positions below to set the time zone or to check the time zone setting.

DST (Daylight Saving Time) is used in time zones with a \* mark.  
In the Lord Howe Island time zone in Australia with a 1/2 mark, the time is advanced by 30 minutes while DST (Daylight Saving Time) is in effect. This watch corresponds to DST in the Lord Howe Island time zone.

\* Each time zone is based on data as of January 2014.

**Display of time zone**  
Representative city names – 29 cities among the total of 40 time zones around the world  
Time difference – +14 hours – -12 hours  
[Check the time zone] – P 19  
[Time Zone Adjustment] – P 16



The displays of city code and the time difference from UTC are Subject to change owing to models.  
"/2" between figures of the display of time difference shows that there is the time zone on that place.

City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours	City code	Display of time difference	City name	UTC ± hours
LON	UTC	★ London	0	BJS	8	Beijing	+8	HNL	-10	Honolulu	-10
PAR	1	★ Paris ★ Berlin	+1	—	•	Eudla	+8.75	—	•	Marquesas Islands	-9.5
CAI	2	★ Cairo	+2	TYO	9	Tokyo	+9	ANC	-9	★ Anchorage	-9
JED	3	Jeddah	+3	ADL	•	★ Adelaide	+9.5	LAX	-8	★ Los Angeles	-8
—	•	★ Tehran	+3.5	SYD	10	★ Sydney	+10	DEN	-7	★ Denver	-7
DXB	4	Dubai	+4	—	•	★ Lord Howe Island	+10.5	CHI	-6	★ Chicago	-6
—	•	Kabul	+4.5	NOU	11	Noumea	+11	NYC	-5	★ New York	-5
KHI	5	Karachi	+5	—	•	Norfolk Island	+11.5	CCS	•	Cancas	-4.5
DEL	•	Delhi	+5.5	WLG	12	★ Wellington	+12	SCL	-4	★ Santiago	-4
—	•	Kathmandu	+5.75	—	•	Chatham Islands	+12.75	—	•	St. John's	-3.5
DAC	6	Dhaka	+6	TBU	13	Nuku'alofa	+13	RIO	-3	★ Rio de Janeiro	-3
—	•	Yangon	+6.5	CXI	14	Kiritimati	+14	FEN	-2	Fernando de Noronha	-2
BKK	7	Bangkok	+7	—	-12	Baker Island	-12	PDL	-1	★ Azores	-1
—	•	Midway Islands	-11								

### HOW TO USE THE DAYLIGHT SAVING FUNCTION

Some areas have daylight savings where the time is set forward to gain an extra hour of sunlight. Astron has an easy daylight saving function that turns daylight saving on or off.

1. Pull the crown out to the first click. The bottom dial's hand will move to either DST (for Daylight Savings on) or the ' ' (for Daylight Savings off).
2. Press and hold BUTTON B for approx. 3 seconds to turn it either on or off.
3. The hands will move forward (on), or backward (off) one hour.

### FLIGHT MODE

GPS reception may influence the aeroplanes electronic equipment so GPS Astron has a flight mode you can activate when travelling on an aeroplane.

### TURN FLIGHT MODE ON OR OFF

1. Press and hold BUTTON A for approx.. 5 seconds.
2. The indicator hand in the bottom dial will move to the image of the plane located on the left side of the outer ring.
3. To turn flight mode off, press and hold BUTTON A for approx. 5 seconds. The hand will move back to the power reserve indicator

### STOPWATCH MODE

When using the stopwatch the hands will move and behave differently to normal time mode.

- The large second hand becomes the 1/5th of a second hand
- The dial on the right side is the Stopwatch minute hand
- The bottom dial and indicators become the hour hand

1. To start the stopwatch press BUTTON C
2. To stop the stopwatch press BUTTON C
3. To reset the stopwatch press BUTTON D

### SPLIT/LAP TIME

While the stopwatch is in operation press BUTTON D to split time. The stopwatch hands will freeze to indicate time. Press BUTTON D to release split time and the stopwatch will catch up and continue on to real time.

NOTE – While the stopwatch is in operation the GPS timezone function will not work.

### ADVERTISING & MARKETING

For information relating to displays, point of sale materials, corporate website, dealer catalogues and consumer brochures – Contact Jason Lancett (02) 9805 4651.

For information relating to advertising, social media, digital communications and digital assets – Contact Daniel Findlay (02) 9805 4636.

### CUSTOMER LIAISON

For assistance with order placement for watches and clocks, product availability and features/functions of Seiko Australia products call – 1300 300 776.  
Orders can also be placed by faxing (02) 9887 3736 or emailed to [salesdesk@seiko.com.au](mailto:salesdesk@seiko.com.au)

### SERVICE CENTRES & AGENTS

Service centres for Seiko, Pulsar and Lorus products.

#### SERVICE CENTRES

##### Sydney

Seiko Australia Pty Ltd  
89 Epping Road, Macquarie Park NSW 2113  
PO Box 314, Macquarie Park 1670  
Phone: (02) 9805 4666 or 1300 363 575  
Fax: (02) 9887 3736

##### Melbourne

Seiko Australia Pty Ltd  
Shop T1, Centrepoint  
264-274 Little Collins Street  
Melbourne VIC 3000  
Ph: +61 (3) 9644 5555  
Fax: +61 (3) 9645 6979

### AFTER SALES CUSTOMER SERVICE

This incorporates the service centres, spare parts department, the workshop and service agents.

#### SERVICE CENTRES

General enquiries relating to any consumer and retailer watch and/or clock repair issues.

##### Sydney Service Centre

Phone: 1300 363 575

##### Melbourne Service Centre

Lidiya Trajkovski: (03) 9644 5555

#### WORKSHOP

Deals with product technical problems, quality of repairs, etc.  
Richard Kubisch: (02) 9805 4622  
Michael Tatam: (02) 9805 4696

#### SPARE PARTS

Responsible for supply and availability of parts, delays in order turn-around.  
Colin Davies: (02) 9805 4625  
William Tonkin: (02) 9805 4692

### WAREHOUSING & DISTRIBUTION

For assistance with proof of delivery, delays, short shipments, missing consignments, ticketing, credits and incoming shipments.  
Russell Henderson: (02) 9805 4660  
Benjamin Seaburn: (02) 9805 4685

### GENERAL ENQUIRIES

Phone: 1300 300 776 or by email at [info@seiko.com.au](mailto:info@seiko.com.au)

### SERVICE AGENTS

#### Queensland

R W Harrold Watchmaker  
Shop 3A Ground Floor  
Sherwood House, 39 Sherwood Road  
Toowong QLD 4066  
Phone: (07) 3876 7133  
Fax: (07) 3876 7414

### SERVICE AGENTS CONT'D

#### South Australia

About Time Watch Repairs  
3rd Floor  
49 Gawler Place  
Adelaide SA 5000  
Phone: (08) 8212 8110  
Fax: (08) 8212 8112

#### Western Australia

Neville Cox Watchmaker  
PO Box 1749  
Canning Vale DC WA 6970  
Phone & Fax: (08) 9493 6363

#### Tasmania

Diamond World  
Room 209, 86 Murray Street  
Hobart TAS 7001  
Phone: (03) 6223 2096  
Fax: (03) 6223 4308

#### New Zealand

Seiko Australia Pty Ltd  
226A Bush Rd, Albany, Auckland 0632  
Phone: +(649) 415 5668  
Fax: +(649) 415 5662

#### Fiji

Stinson Pearce  
36 Freeston Road, Walu Bay, Suva, Fiji  
Phone: +(679) 330 2366  
Fax: +(679) 330 3850

#### Papua New Guinea

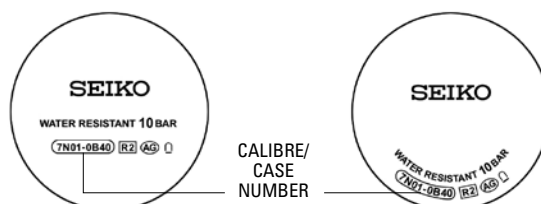
Chin Hoi Meen  
PO Box 1106, Boroko  
National Capital District, Port Moresby  
Phone: +(675) 325 6644  
Fax: +(675) 325 0134

#### Vanuatu

Sound Centre/Downtown Duty Free  
& Prouds The Jewellers  
Lini Highway, Port Vila  
Republic of Vanuatu  
Phone: (678) 22035  
Fax: (678) 22025



All SEIKO watches and clocks are covered by a 3 year guarantee. The guarantee covers defects in the material and workmanship from the date of purchase. As a SEIKO authorised dealer it is your responsibility to correctly fill in the guarantee with all the information required. The diagram on the right shows where to find the relevant information on the watch caseback.



In the case of incorrectly used guarantees, return them to SEIKO Australia or hand them to your SEIKO Australia Representative for free replacement, otherwise a charge for new guarantees will be applicable.

#### Global Service Network

SEIKO's dedication to quality extends throughout its service network in all corners of the world, extending the same dedication to excellence and the highest quality service to SEIKO customers everywhere.

For over 100 years SEIKO has stood for quality – in manufacture, design and service. Today, our SEIKO service centres strive to offer the highest standard of after-sales service and ensure lasting consumer satisfaction. In the Oceania Region, SEIKO Australia Pty Ltd has a network of branch offices, service centres and authorised service agents throughout Australia, New Zealand, Papua New Guinea, and the Pacific Islands.

For service, repairs and spare parts enquiries, please phone 1300 363 575 or email [service@seiko.com.au](mailto:service@seiko.com.au)



### SERVICE

Replacement guarantee costs:

- Seiko, Pulsar & Lorus = \$5.50
- Astron & Grand Seiko = \$25.00
- Guarantee Exchange (One for one)
  - for incorrectly completed and/or damaged guarantees are replaced at no cost if returned

#### All brands replacement policies: (Varied based on situation)

- Under warranty Lorus – replaced or credited
- Manufacturing fault – not wear and tear

#### Seiko Quote Policy for repairs

	TRADE	RETAIL
--	-------	--------

- |                           |         |         |
|---------------------------|---------|---------|
| • Seiko & Michel Herbelin | \$41.00 | \$70.00 |
| • Pulsar                  | \$37.00 | \$63.00 |
| • Lorus                   | \$28.00 | \$48.00 |

Quote not proceeded with will incur an administration fee of \$16.00 (Including GST)

+ Postage & handling of \$11.00

#### Warranty Claims:

- **SERVICE WARRANTY CLAIM:** an **original valid guarantee** (completed with the correct calibre case, serial number and purchase date) or purchase receipt must be supplied (**NO PHOTOCOPIED WARRANTIES**).
- **STOCK:** repairs to be accepted as stock must state “stock” on the paperwork and be in **ORIGINAL CONDITION – NOT WORN BY CUSTOMER**.

#### Service Contact Information:

Toll Free: 1300 363 575

Direct: 02 9805 4575

Fax: 02 9887 3736

Email: [service@seiko.com.au](mailto:service@seiko.com.au)

### SPARE PARTS

Links prices are varied and can be ordered through spare parts.

#### Spare Parts contact information:

Toll Free: 1300 363 575

Direct number: 02 9805 4690

Fax: 02 9878 4770

Email: [parts@seiko.com.au](mailto:parts@seiko.com.au)

### SALES DESK

Small Order Charge:

- For orders supplied in full where the value is less than \$250 exc. GST

#### Sales Desk Contact information:

Toll Free: 1300 300 776

Direct Number: 02 9805 4776

Fax: 02 9887 3736

Email: [salesdesk@seiko.com.au](mailto:salesdesk@seiko.com.au)

#### Damaged Stock Received:

Needs to be returned to Seiko head office within 14 days of invoice.



Model Number	Price	Page
SSE041J	\$3900	15
SSE043J	\$3900	15
SSE055J	\$2800	15
SSE073J	\$3600	15
SSE075J	\$3600	15
SSE087J	\$2700	17
SSE089J	\$3000	17
SSE096J	\$2700	17
SSE101J	\$3300	15
SSE113J	\$3000	17
SSE117J	\$3100	16
SSE121J	\$5200	14
SSE139J	\$3500	13
SSE143J	\$3100	12
SSE145J	\$4100	12
SSE149J	\$2600	13
SSE153J	\$2800	13

# SEIKO

Sales orders & enquiries:  
salesdesk@seiko.com.au

For sales enquiries within Australia  
please phone 1300 300 776.

## HEAD OFFICE

89 Epping Road  
Macquarie Park NSW 2113  
Ph: +61 (2) 9805 4777  
Fax: +61 (2) 9887 3736

## MELBOURNE

Shop T1, Centrepont  
264-274 Little Collins Street  
Melbourne VIC 3000  
Ph: +61 (3) 9644 5555  
Fax: +61 (3) 9645 6979

## TASMANIA

Diamond World  
Room 209, 86 Murray Street  
Hobart TAS 7001  
Ph: +61 (3) 6223 2096  
Fax: +61 (3) 6223 4308

## FIJI

Motibhai Building  
1 Industrial Road  
Nadi Airport, Nadi  
Fiji  
Ph: (679) 672 2477  
Fax: (679) 672 2105

## PAPUA NEW GUINEA

CHM & Sons Limited  
PO Box 1106, Boroko, NCD  
Suite 1 - 3, Level 2  
CHM Corporate Park 1  
Corner of Waigani Industrial Estate Drive  
and Kawai Drive  
Allotment 26, Section 496, Hohola  
Papua New Guinea  
Ph: (675) 301 0532  
Fax: (675) 301 0555

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## TRADE PRACTICES ACT 1974

Resale Price maintenance (S48 SS96 100). The prices shown in this catalogue are recommended retail prices as at 1st July 2017 and there is no obligation to comply with the recommendation. All prices are in Australian dollars and all prices include GST. All prices are subject to change without notice.  
Seiko Australia Pty Ltd (ABN 63 000 797 946). SCATAC0717